

**Applicant Name** Livingston, City of  
**Project Name** Glass Pulverizer for the City of Livingston

#### **Project Abstract**

The City of Livingston is requesting a Renewable Resource Grant in the amount of \$100,000 to purchase a glass pulverizer, construct a building in which it would operate, and assist in the implementation of a glass re-use program. The city has committed \$108,284 to support the project.

The project will improve Livingston's ability to manage the amount of solid waste disposed of in landfills. The project is designed to divert, at minimum, 191 tons of glass per year from landfills and re-use it locally as glass cullet for infrastructure projects.

The city is proud to put forward a project that implements efforts to achieve solid waste management goals detailed in the Montana Integrated Waste Management Act (75-10-801, MCA) and the Montana Integrated Solid Waste Management Plan. The overall goal of the act and the plan is to reduce, by 25 %, the volume of solid waste either disposed of in landfills or incinerated.

Montana Integrated Solid Waste Management Plan specifically states that re-use is preferred over recycling, landfilling, and incineration as a solid waste management method. The plan details the following re-use goal for Montana: Every community will have an active re-use program.

By reusing glass bottles, jars, windshields, windows, dishware, and other glass products in the form of glass cullet, a material similar to natural aggregate, the city will decrease the need for aggregate mining. The compactability and permeability of glass cullet gives it technical advantages over gravel, especially for drainage systems, base course materials, and backfill applications. The filtration rate of glass cullet makes it an optimum component in reducing non-point source pollution. By decreasing the need for aggregate mining and reducing non-point source pollution, the glass re-use program will also protect fisheries and wildlife habitat.